

=====

Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=2; day=12; hr=14; min=32; sec=39; ms=204; ]

=====

\*\*\*\*\*

Reviewer Comments:

<210> 4

<211> 24

<212> DNA

<213> Artificial

<220>

<223> ACTB (beta actin) primer BAR

<400> 4

tcacccacac tgtgcccatc tacga

25

Although the above <211> response is "24," 25 nucleotides are shown in this sequence. Same error in Sequence 19.

<210> 12

<211> 23

<212> DNA

<213> Artificial

<220>

<223> CFTR (cystic fibrosis transmembrane conductance regulator) Primer CFT01

<400> 12

aggcctagtt gtcttacagt cct

23

FYI: please ensure that lines do not exceed 72 characters, per Sequence Rules.

\*\*\*\*\*

Application No: 10506958 Version No: 1.0

**Input Set:**

**Output Set:**

**Started:** 2008-02-12 11:09:30.840  
**Finished:** 2008-02-12 11:09:32.068  
**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 228 ms  
**Total Warnings:** 21  
**Total Errors:** 2  
**No. of SeqIDs Defined:** 21  
**Actual SeqID Count:** 21

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
E 253	The number of bases differs from <211> Input: 24 Calculated:25
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)

**Input Set:**

**Output Set:**

**Started:** 2008-02-12 11:09:30.840  
**Finished:** 2008-02-12 11:09:32.068  
**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 228 ms  
**Total Warnings:** 21  
**Total Errors:** 2  
**No. of SeqIDs Defined:** 21  
**Actual SeqID Count:** 21

Error code	Error Description
E 253	The number of bases differs from <211> Input: 24 Calculated:25
W 213	Artificial or Unknown found in <213> in SEQ ID (20) This error has occurred more than 20 times, will not be displayed

<110> Braven, Helen  
Keay, Russell

<120> Nucleic acid probes, their synthesis and use

<130> ATLAS 8095 US

<140> 10506958  
<141> 2008-02-12

<141> 2005-05-02

<150> PCT/GB03/000613

<151> 2003-02-11

<160> 21

<170> PatentIn version 3.4

<210> 1  
<211> 26  
<212> DNA  
<213> Artificial

<220>  
<223> ACTB (beta actin) probe BAPR

<400> 1  
atgcccctccc ccatgccatc ctgcgt 26

<210> 2  
<211> 25  
<212> DNA  
<213> Artificial

<220>  
<223> ACTB (beta actin) Probe C9-T1BAPR

<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> amino modified thymine with C9 linker, Formula IV

<400> 2  
tgccctcccc catgccatcc tgcgt 25

<210> 3  
<211> 25  
<212> DNA  
<213> Artificial

<220>  
<223> ACTB (beta actin) primer BAF

<400> 3

cagcggaacc gtcattgcc aatgg

25

<210> 4  
<211> 24  
<212> DNA  
<213> Artificial

<220>  
<223> ACTB (beta actin) primer BAR

<400> 4  
tcacccacac tgtgccccatc tacga

25

<210> 5  
<211> 18  
<212> DNA  
<213> Artificial

<220>  
<223> ACTB (beta actin) primer BAFR

<400> 5  
cagggtcccggtt ccagccag

18

<210> 6  
<211> 18  
<212> DNA  
<213> Artificial

<220>  
<223> C282Y (HFE gene, C282Y mutation) Probe C282YP

<400> 6  
atataacgtgc cagggtggaa

18

<210> 7  
<211> 19  
<212> DNA  
<213> Artificial

<220>  
<223> C282Y (HFE gene, C282Y mutation) Primer C282YF

<400> 7  
ctggataact tggctgtac

19

<210> 8  
<211> 19  
<212> DNA  
<213> Artificial

<220>  
<223> C282Y (HFE gene, C282Y mutation) Primer C282YR

<400> 8  
tcagtcacat accccagat

19

<210> 9  
<211> 18  
<212> DNA  
<213> Artificial

<220>  
<223> H63D (HFE gene, H63F mutation) Probe H63DP

<400> 9  
atatacgtgc caggtgga 18

<210> 10  
<211> 22  
<212> DNA  
<213> Artificial

<220>  
<223> H63D (HFE gene, H63F mutation) Primer H63DF

<400> 10  
cttggcttt ctttgtttga ag 22

<210> 11  
<211> 22  
<212> DNA  
<213> Artificial  
<220>  
<223> H63D (HFE gene, H63F mutation) Probe H63DR

<400> 11  
acatctggct taaaattcta ct 22

<210> 12  
<211> 23  
<212> DNA  
<213> Artificial

<220>  
<223> CFTR (cystic fibrosis transmembrane conductance regulator) Primer CFT01

<400> 12  
aggccttagt gtcttacagt cct 23

<210> 13  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<223> CFTR (cystic fibrosis transmembrane conductance regulator) Primer CFT03

<400> 13  
tgccccctaa ttgttactt c 21

<210> 14

<211> 27  
<212> DNA  
<213> Artificial

<220>  
<223> G6PC (glucose-6-phosphatase) probe GSDPR

<400> 14  
tgtggatgtg gctgaaagtt tctgaac 27

<210> 15  
<211> 18  
<212> DNA  
<213> Artificial

<220>  
<223> G6PC (glucose-6-phosphatase) Primer GSDw

<400> 15  
ccgatggcga agctgaac 18

<210> 16  
<211> 20  
<212> DNA  
<213> Artificial

<220>  
<223> G6PC (glucose-6-phosphatase) Primer GSDcom

<400> 16  
tgctttcttc cactcaggca 20

<210> 17  
<211> 29  
<212> DNA  
<213> Artificial

<220>  
<223> ACADM (medium chain acyl-CoA dehydrogenase) Probe MC11PR

<400> 17  
ctagaatgag ttaccagaga gcagcttgg 29

<210> 18  
<211> 20  
<212> DNA  
<213> Artificial

<220>  
<223> ACADM (medium chain acyl-CoA dehydrogenase) Primer MC11w

<400> 18  
gttggatgtgaa atggcaatga 20

<210> 19  
<211> 24  
<212> DNA

<213> Artificial  
  
<220>  
<223> ACADM (medium chain acyl-CoA dehydrogenase) Primer MC11com

<400> 19  
ctgcacagca tcagtagcta actga 25

<210> 20  
<211> 43  
<212> DNA  
<213> Artificial

<220>  
<223> Hairpin oligonucleotide reHP

<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> C12 amino modified at the 5' end

<400> 20  
cagaatacacag cagggtgctcg cccggggcgag cacctgtatt ctg 43

<210> 21  
<211> 40  
<212> DNA  
<213> Artificial

<220>  
<223> Single strand oligonucleotide reBAF

<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> C12 amino modified at the 5' end

<400> 21  
cagattacacg caggttcacc cacactgtgc ccatctacga 40